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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Army **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>				PE 0603820A: <i>Weapons Capability Modifications UAV</i>							
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
Total Program Element	-	-	24.142	-	24.142	54.361	116.446	98.448	68.677	Continuing	Continuing
D20: <i>VTOL Mods/PIP</i>	-	-	24.142	-	24.142	54.361	116.446	98.448	68.677	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Extended Range Multi-Purpose (ERMP) Unmanned Aircraft System (UAS) includes and addresses the full scale development and integration of a weapon system capability.

These modifications include the refinement of requirements, the selection of the weapons matched to the aircraft capabilities, hardware and software design, development, and integration with the system.

This will include requisite airframe, mission management software and weapon compatibility modifications necessary to carry and employ weapons. Tests are required to ensure reliable, safe, accurate, and timely weapons stowage and delivery. Weaponization of ERMP includes the full scale development and integration of a modified HELLFIRE missile into the ERMP UAS. Missile development will include type classification and formal materiel release.

B. Program Change Summary (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Previous President's Budget	-	-	-	-	-
Current President's Budget	-	-	24.142	-	24.142
Total Adjustments	-	-	24.142	-	24.142
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustments 1	-	-	24.142	-	24.142

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Army									DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0603820A: Weapons Capability Modifications UAV				PROJECT D20: VTOL Mods/PIP			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
D20: VTOL Mods/PIP	-	-	24.142	-	24.142	54.361	116.446	98.448	68.677	Continuing	Continuing
Quantity of RDT&E Articles											
A. Mission Description and Budget Item Justification											
The Army has an emerging requirement to provide Intelligence, Surveillance, and Reconnaissance (ISR) platforms capable of operating in and near unfriendly territories/areas of conflict. The system shall be a rotary wing unmanned vertical takeoff and landing(VTOL) aircraft system not conducive to standard airfields but forward deployable to support extended operations in austere environment. The aircraft system will be made up of multiple aircraft (minimum of 4) that incorporates high value technologies in the airframe, propulsion, datalink systems, communications systems, and avionics systems. The system will be common with the Army selection of the Line of Sight and Beyond Line of Sight Tactical Common Data Link and the Universal Ground Control Station. The aircraft will simultaneously carry multi-functional payloads such as SIGINT, EO/IR/LD, and Wide Area Surveillance without degrading time on station. This system will provide dramatic improvements in operational flexibility, and mission performance.											
FY12 RDT&E funds will resource the Material Solution Analysis Phase of the program.											
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2010	FY 2011	FY 2012
Title: Military Unit Assessment									-	-	20.642
Description: provides funding to define requirements and modifications											
FY 2012 Plans: provides funding for Military Unit Assessment to define requirements and modifications required for full scale development and integration of capability.											
Title: Program Management Support									-	-	3.500
Description: Launcher Modification / Test Equipment / Integration											
FY 2012 Plans: provide funding for program management support											
Accomplishments/Planned Programs Subtotals									-	-	24.142

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Army		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0603820A: <i>Weapons Capability Modifications UAV</i>	PROJECT D20: <i>VTOL Mods/PIP</i>
C. Other Program Funding Summary (\$ in Millions) N/A		
D. Acquisition Strategy N/A		
E. Performance Metrics Performance metrics used in the preparation of this justification material may be found in the FY 2010 Army Performance Budget Justification Book, dated May 2010.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Army											DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>				R-1 ITEM NOMENCLATURE PE 0603820A: <i>Weapons Capability Modifications UAV</i>				PROJECT D20: <i>VTOL Mods/PIP</i>						
Management Services (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Program Management	Various	Various:Various	-	-		3.500		-		3.500	0.000	3.500	0.000	
Subtotal			-	-		3.500		-		3.500	0.000	3.500	0.000	
Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Integration and Testing of UADD	Various	Other Government Agency:various	7.301	-		-		-		-	Continuing	Continuing	0.000	
Launcher Modification / Test Equipment / Integration	Various	Other Government Agency:various	3.766	-		-		-		-	Continuing	Continuing	0.000	
Military Utility Assessment (MUA)	Various	Various:Various	-	-		20.642		-		20.642	Continuing	Continuing	0.000	
Subtotal			11.067	-		20.642		-		20.642			0.000	
			Total Prior Years Cost	FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals			11.067	-		24.142		-		24.142			0.000	
Remarks														

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